

6. The water-dilutable binders according to claim 1 characterised in that, in the compounds **B1**, the amino groups are bound to aliphatic carbon atoms, that the compounds **B1** are linear, branched or cyclic and have 2 to 40 carbon atoms, wherein compounds **B1** are selected from the group consisting of compounds **B11** which, apart from at least one secondary or primary amino group, have at least one hydroxyl group, compounds **B12** which have at least one primary and at least one tertiary amino group, and compounds **B13** which have at least two primary amino groups and at least one secondary amino group.
7. The water-dilutable binders according to claim 1 characterised in that the compounds **B2** are aliphatic linear, branched or cyclic monocarboxylic acids with 2 to 40 carbon atoms having at least one olefinic double bond.
8. The water-dilutable binders according to claim 1 characterised in that the compounds **B3** are selected from the group consisting of monophenols and diphenols.
9. A process for the preparation of water-dilutable binders according to claim 1 characterised in that
- in the first step, fatty acid amides **C** are synthesised by reacting the fatty acids **C1** with the amines **C2**, which fatty acid amides **C** have at least one secondary and/or primary amino group,
 - these amino-functional acid amides **C** are subsequently mixed, in the second step, with at least two of the compounds **B**, where compounds **B** from at least two different classes of **B1**, **B2** and **B3** are used,
 - subsequently, in step three, a first portion of an epoxide **A** is added and reacted until no more free epoxy groups are detectable,
 - subsequently, this reaction product is dispersed in water to which a neutralising agent had previously been added and the dispersion formed is reacted in the fourth step with a further portion of a diepoxide **A2** and reacted further until all epoxy groups are completely consumed.

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10. The process according to claim 9 characterised in that, following the third step, at least one further compound **B** and a second portion of an epoxide **A** are added and the reaction mixture is reacted until no more free epoxy groups are detectable.

5 11. The process according to claim 10 characterised in that the epoxide added as second portion is a diepoxide **A2**.

12. A method of use of the water-dilutable binders according to claim 1 comprising coating metals, mineral substrates, plastics, paper and board.

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13. A method of use of the water-dilutable binders according to claim 1 comprising combining the binders of claim 1 with hardeners selected from the group consisting of blocked and non-blocked multifunctional isocyanates and aminoplast resins to formulate coatings.

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